#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

		D :: ++		I N				
LM Start		Rating **	Α	Issue No.		4		
LM End		Issue Type +	Ma	Location * N/A				
Catagoria Earthen Levee			GPS La	atitude	e/Longitude			
Category				Start		End		
Item		s & Maintena		0		0		
пеш	Manuals				0		0	
DWR ID	DWR_ST0	002_01_s _ 201	3_4					
		Comn	nent Cod	le				
		Inspecto	or Comm	nent				
The LMA h	nas the O8	M manuals.						

No Photos

LM Start		Rating **	Α	Issue No.		5		
LM End		Issue Type +	Ma	Location *		N/A		
Category	Category Earthen Levee				atituc	tude/Longitude		
Calegory				Start		End		
Item		cy Supplies &			0		0	
пеш	Equipmer	nt			0		0	
DWR ID	DWR_ST0	002_01_s _ 201	3_5					
		Comn	nent Cod	le				
		Inspecto	or Comm	nent				
The LMA h	The LMA has flood fight supplies and equipment.							

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start		Rating **	Α	Issue No.		6		
LM End		Issue Type +	Ma	Location *		N/A		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Flood Pre	paredness &	Training		0		0	
item					٥		0	
DWR ID	DWR_ST0	002_01_s _ 201	3_6					
		Comn	nent Cod	le				
		Inspecto	or Comm	ent				
The LMA I	nas comple	eted flood fligh	nt training	<b>j</b> .				

No Photos

LM Start	0.36	Rating **	М	Issue No.		42
LM End	0.36	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		39.1471	83 °	39.147183°
пеш			-121.8281	42 °	-121.828142 °	
DWR ID	DWR_ST0	002_01_s _ 201	7_42			
		Comn	nent Cod	de		
E1 : Note	and monito	or erosion site				
		Inspecto	or Comm	nent		
Repair the	Repair the erosion along the water side toe.					

Photo 1 of 1: SP\_2018\_ST0002\_450\_42\_20180305\_00012.jpg



View of the erosion along the waterside toe.

LM Start	1.11	Rating **	М	Issue No.		46			
LM End	1.11	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee	GPS La	atitud	e/Longitude				
Calegory				Start		End			
Item	Encroach	ments		39.1408	17°	39.140817°			
Item				-121.8168	48°	-121.816848 °			
DWR ID	DWR_ST0	002_01_s _ 201	8_46						
		Comn	nent Cod	le					
GA : Garb	age								
		Inspecto	or Comm	nent					
Remove th	ne garbage	from the wat	erside sl	ope.					



View of the garbage along the waterside slope.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	1.53	Rating **	U	Issue No.		57
LM End	1.53	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Erosion /	Bank Caving		39.1373	73°	39.137373°
пеш				-121.810382 °		-121.810382 °
DWR ID	DWR_ST0	002_01_f _ 2017	7_57			
		Comn	nent Cod	le		
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.
		Inspecto	or Comm	nent		
Repair the beaver hole along the waterside berm.						



View of the beaver hole along the waterside berm.

LM Start	1.57	Rating **	U	Issue No.		58		
LM End	1.57	Issue Type +	Ма	Location *		WS		
Category	Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End			
Item	Erosion /	Bank Caving		39.1370	10°	39.137010°		
пеш				-121.8096	73 °	-121.809673°		
DWR ID	DWR_ST0	002_01_f _ 2017	7_58					

#### Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

#### Inspector Comment

Repair the beaver hole along the waterside berm.

#### Photo 1 of 1: SP\_2018\_ST0002\_450\_58\_20180305\_00014.jpg



View of the beaver hole along the waterside berm.

Rating A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	1.61	Rating **	U	Issue No.		61		
LM End	1.61	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion /	Bank Caving		39.1367	'13 °	39.136713 °		
item				-121.809202 °		-121.809202 °		
DWR ID DWR_ST0002_01_f _ 2017_61								
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		
Inspector Comment								
Repair the beaver hole along the waterside berm.								



View of the beaver hole along the waterside berm.

LM Start	3.54	Rating **	С	Issue No.		30	
LM End	3.54	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitude					
Calegory				Start		End	
Animal Control				39.120417°		39.120417°	
Item				-121.7798	63 °	-121.779863 °	
DWR ID DWR_ST0002_01_f _ 2015_30							
Comment Code							

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

#### Inspector Comment

The rodent holes was repaired along the landside slope.

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.		64
LM End	3.55	Issue Type +	Ма	Location *		
Category				GPS Latitude/Longitude		
Calegory			Start		End	
Item	DWR UC	DWR UCIP LMA Responsibility				39.120372 °
пеш			-121.77980	0°	-121.779800 °	
DWR ID						

# Inspector Comment

Comment Code

FS\_ID:51566 DS\_ID:16880 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last

inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment

inspector to determine type of abandonment.
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 3] 1 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:10:49 PM

LM Start	3.55	Rating **	A/W	Issue No.	64 (cont)
I M End	3.55	Issue Type +	Ma	Location *	





Slide gates on LS shoulder.

#### Photo 2 of 3: UCIP\_SP\_2018\_51566\_64814.jpg



Flap gates on WS toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.		64 (cont)
LM End	3.55	Issue Type +	Ma	Location *		
Category				GPS Latitude/Longitude		
Calegory			Start		End	
Item	DWR UC	IP LMA Respo	onsibility	39.1203	72°	39.120372°
пеш				-121.7798	00°	-121.779800°
DWR ID						
	Comment Code					

#### Inspector Comment

FS\_ID:51566 DS\_ID:16880 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverts are still being used as gravity drains for the LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as

Inspection.5/13/2014 Same as last inspection.10/30/2103 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates left in open position. Unable to determine type of abandonment for concrete culverts. Contact inspector to determine type of abandonment.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 3] 1 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:10:49 PM



Abandoned pumphouse and sump on LS toe.

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.		65
LM End	3.55	Issue Type +	Ma	Location *		
Category				GPS Latitude/Longitude		
Calegory			Start		End	
Item	DWR UCI	IP LMA Respo	onsibility	39.1203	58°	39.120358°
пеш				-121.7797	75 °	-121.779775 °
DWR ID						
	Comment Code					

#### Inspector Comment

FS\_ID:51567 DS\_ID:16895 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverst still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.5/13/2014 Same as last inspection.5/13/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:16:13 PM

LM Start	3.55	Rating **	A/W	Issue No.	65 (cont)
LM End	3.55	Issue Type +	Ma	Location *	

Photo 1 of 3: UCIP\_SP\_2018\_51567\_64819.jpg

Slide gate valves on LS shoulder.

#### Photo 2 of 3: UCIP\_SP\_2018\_51567\_64818.jpg



Flap gates on WS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	3.55	Rating **	A/W	Issue No.		65 (cont)
LM End	3.55	Issue Type +	Ма	Location *		
Category	Suppleme	GPS Lat	itud	le/Longitude		
Calegory						End
Item	DWR UC	IP LMA Respo	nsibility	39.12035	8°	39.120358°
пеш				-121.77977	5 °	-121.779775 °
DWR ID						

#### Inspector Comment

Comment Code

FS\_ID:51567 DS\_ID:16895 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culverst still being used as gravity drains for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.5/13/2014 Same as last inspection.5/13/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Flap gates in open position. Need to determine type of abandonment. Contact inspector to determine abandonment.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 3] 2 of 2: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 30 feet below the crown. Slide gate in concrete well on the landside (LS) shoulder. Wood flap gate and concrete headwall on the waterside (WS) end. Abandoned State pumping plant on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 966+30)].

FS Date: 4/13/2017 1:16:13 PM

# Photo 3 of 3 : UCIP\_SP\_2018\_51567\_64817.jpg

Abandoned pumphouse and sump on LS toe.

#### Rating \*\* Issue No. 5.19 45 LM Start M Issue Type + Location \* 5.19 Ма WS LM End Earthen Levee GPS Latitude/Longitude Category Start End Slope Stability 39.103368° 39.103368 Item -121.758760° -121.758760 ° DWR ID DWR\_ST0002\_01\_s \_ 2018\_45 Comment Code

Inspector Comment

Repair the slope damaged by vehicle traffic.

Photo 1 of 1: SP\_2018\_ST0002\_450\_45\_20180403\_00076.jpg



View of the vehicle traffic along the waterside slope.

* Location		** Rating		+ Issue Type
LS: Land Side	N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	7.83	Rating **	A/W	Issue No.		34				
LM End	7.83	Issue Type +	Ма	Location *	WS					
Category	Earthen L	evee		GPS La	atitud	e/Longitude				
Calegory				Start		End				
Item	Erosion /	Bank Caving		39.0672	99°	39.067299°				
item				-121.7428	51 °	-121.742851 °				
DWR ID DWR_ST0002_01_f _ 2016_34										
		Comn	nent Cod	le						
E1 : Note a	and monito	or erosion site								
	Inspector Comment									



View of the erosion along the waterside toe.

LM Start	10.83	Rating **	М	Issue No.		71
LM End	10.83	Issue Type +	Ma	Location *		
Category	Suppleme	GPS Latitude/Longitud				
Calegory			Start		End	
Item	DWR UC	IP LMA Respo	onsibility	39.0256	93 °	39.025693 °
iteiii			-121.7268	95 °	-121.726895 °	
DWR ID						

#### Comment Code

#### Inspector Comment

FS\_ID:51595 DS\_ID:16871 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Aabandoned.10/10/2016 Abandoned crossing.4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues with it.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment. FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 1 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

Photo 1 of 3: UCIP\_SP\_2018\_51595\_65251.jpg



Slide gates on WS shoulder

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	М	Issue No.	71 (cont)			
LM End	10.83	Issue Type +	Ма	Location *				
Supplemental				GPS Latitude/Longitude				
Calegory			Start		End			
Item	DWR UCI	P LMA Respo	onsibility	39.0256	93 °	39.025693 °		
пеш				-121.7268	95 °	-121.726895 °		
DWR ID								
Comment Code								

#### Inspector Comment

FS\_ID:51595 DS\_ID:16871 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Aabandoned.10/10/2016 Abandoned crossing.4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues with it.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment. FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 1 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:16:54 PM

LM Start	10.83	Rating **	М	Issue No.	71 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Flap gates on WS toe.

#### Photo 3 of 3: UCIP\_SP\_2018\_51595\_65249.jpg



Pumphouse/intake structure on LS toe.

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	М	Issue No.	72		
LM End	10.83	Issue Type +	Ма	Location *			
Category	ental	GPS Latitude/Longitude					
Calegory		Start		End			
Item	DWR UC	IP LMA Respo	onsibility	39.02568	33 °	39.025683°	
пеш				-121.7268	36°	-121.726886 °	
DWR ID							
	Comment Code						

Inspector Comment

FS\_ID:51596 DS ID:16906 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Abandoned.10/10/2016 Crossing

appears to be in good condition. (DWR Sutter Yard -

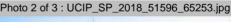
afreitag)4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Determine type of abandonment. FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:17:39 PM

LM Start	10.83	Rating **	М	Issue No.	72 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Slide gates on WS shoulder.





Flap gates on WS toe.

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	М	Issue No.		72 (cont)	
LM End	10.83	Issue Type +	Ma	Location *			
Category				GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UC	IP LMA Respo	onsibility	39.02568	33 °	39.025683°	
пеш			-121.7268	36 °	-121.726886 °		
DWR ID	DWR ID						
	Comment Code						

#### Inspector Comment

FS\_ID:51596 DS ID:16906 EP\_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 4/11/2017 Abandoned.10/10/2016 Crossing

appears to be in good condition. (DWR Sutter Yard -

afreitag)4/18/2016 Abandoned crossing but no noticeable issues seen with it.5/7/2015 Abandoned crossing but no noticeable issues to report.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Same as last inspection.10/8/2012 Determine type of abandonment. FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 2 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Wood flap gate and concrete headwall on the waterside (WS) end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:17:39 PM



Pumping plant on LS toe.

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		73	
LM End	10.83	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory			Start		End		
Item	IP LMA Respo	onsibility	39.02567	'3	39.025673 °		
пеш				-121.72687	'3°	-121.726873°	
DWR ID							

#### Inspector Comment

Comment Code

FS\_ID:51597 DS\_ID:16907 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment.

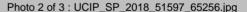
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 3 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:18:31 PM

LM Start	10.83	Rating **	A/W	Issue No.	73 (cont)
LM End	10.83	Issue Type +	Ма	Location *	



Slide gates on WS shoulder.





Flap gates on WS toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83 Rating ** A/W Issue N		Issue No.	73 (cont)			
LM End	10.83	Issue Type +	Ма	Location *			
Category	Suppleme	ental		GPS La	tituc	le/Longitude	
Calegory		Start		End			
Item	DWR UC	IP LMA Respo	nsibility	39.02567	73 °	39.025673	۰
пеш				-121.72687	73 °	-121.726873	0
DWR ID	DWR ID						
	Comment Code						

#### Inspector Comment

FS\_ID:51597 DS\_ID:16907 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 3 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:18:31 PM

#### Photo 3 of 3: UCIP\_SP\_2018\_51597\_65255.jpg



Pumphouse and intake on LS toe.

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		74
LM End	10.83	Issue Type +	Ма	Location *		
Category				GPS Latitude/Longitude		
Calegory			Start		End	
Item	DWR UC	IP LMA Respo	onsibility	39.02565	6°	39.025656 °
пеш				-121.72687	8°	-121.726878°
DWR ID						

# Inspector Comment

Comment Code

FS\_ID:51598 DS\_ID:16908 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

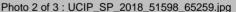
UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:19:46 PM

LM Start	10.83	Rating **	A/W	Issue No.	74 (cont)
LM End	10.83	Issue Type +	Ma	Location *	



Slide gates on WS shoulder.





Flap gates on WS toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.	74 (cont)			
LM End	10.83	Issue Type +	Ма	Location *				
Category	Suppleme	pplemental			GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR UC	IP LMA Respo	nsibility	39.0256	56°	39.025656	٥	
пеш					78 °	-121.726878	٥	
DWR ID								
Comment Code								

#### Inspector Comment

FS\_ID:51598 DS\_ID:16908 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.10/30/2013 Same as last inspection.10/8/2012 Need to determine type of abandonment.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 4 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:19:46 PM

#### Photo 3 of 3: UCIP\_SP\_2018\_51598\_65258.jpg



Pumphouse and intake on LS toe.

CR: Crown

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		75		
LM End	10.83	Issue Type +	Ма	Location *				
Category	Suppleme	Supplemental			GPS Latitude/Longitude			
Calegory						End		
Item	DWR UC	IP LMA Respo	onsibility	39.02563	9°	39.025639°		
пеш				-121.72687	'4 °	-121.726874°		
DWR ID								

# Comment Code

Inspector Comment FS\_ID:51599

DS\_ID:16909 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

10.83

LM End

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment for pipe.

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 5 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the

48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)]. FS Date: 4/13/2017 2:20:32 PM

Location \*

LM Start 10.83 Rating \*\* A/W Issue No. 75 (cont)

Issue Type +



Slide gates on WS shoulder.

#### Photo 2 of 3: UCIP\_SP\_2018\_51599\_65262.jpg



Flap gates on WS Toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	10.83	Rating **	A/W	Issue No.		75 (cont)	
LM End	10.83	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	onsibility	39.02563	9°	39.025639	
пеш				-121.72687	'4 °	-121.726874	
DWR ID							

# Comment Code

#### Inspector Comment

FS\_ID:51599 DS\_ID:16909 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was removed but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/13/2014 Same as last inspection.10/30/2013 Same as last inspection.5/22/2013 Concrete culvert is being used as gravity drain for LS ditch.10/8/2012 Need to determine type of abandonment for pipe.
FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 5 of 5:

FIELD\_STRUCT\_DESC: \*ABANDONED\* [Pumping Plant No. 2] 5 of 5: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 31.5 feet below the crown. Slide gate in concrete well on the waterside (WS) shoulder. Wood flap gate and concrete headwall on the WS end. Wooden steps on the landside (LS) slope. Concrete steps on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 582+19)].

FS Date: 4/13/2017 2:20:32 PM



Pumphouse/intake on LS toe.

LM Start	10.88	Rating **	М	Issue No.		1	
LM End	10.91	Issue Type +	Ma	Location *	WS		
Category	Suppleme	ental	GPS Latitude/Longitude				
Calegory		Start		End			
Item	2015 USA	39.0248	35 °	39.024399	0		
iteiii	DRAFT	-121.7269	29°	-121.726808	0		
DWR ID	DWR_ST0	6_1					
		Comn	nent Cod	le			

#### Inspector Comment

2011 - Small section of the mid levee slope has eroded from wind wave. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: SBP\_11-1\_L]

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	12.75	Rating **	М	Issue No.		44
LM End	12.75	Issue Type +	Ma	Location *		WS
Cotogony	Earthen L	evee		GPS Latitude/Longitude		
Category				Start		End
Item	Encroach	ments		38.998698 ° 38.998		
пеш				-121.7180	-121.718062 °	
DWR ID DWR_ST0002_01_s _ 2018_44					·	
		Comn	nent Cod	le		
MA : Mate	rial					
		Inspecto	or Comm	nent		
Remove th	ne tires fro	m the water si	de slope	and toe.		

Photo 1 of 1 : SP_2018_ST0002_450_44_20180403_00075.jpg
no <u>co 2016</u> .

View of the tires along the waterside slope and toe.

LM Start	13.34	Rating **	A/W	Issue No.	23		
LM End	13.34	Issue Type +	Ma	Location *		WS	
Catagony	evee	GPS La	atitud	le/Longitude			
Category				Start		End	
ltom	Item Slope Stability			38.9918	857°	38.991857°	
пеш				-121.711555 °		-121.711555 °	
DWR ID	DWR_ST0	002_01_s _ 201	5_23				
		Comn	nent Cod	de			
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.							
Inspector Comment							

Repair the erosion along the waterside slope.



View of the vehicle erosion along the slope.

LM Start	13.83	Rating **	М	Issue No.		39		
LM End	13.83	Issue Type +	Ма	Location *		WS		
Category Earthen Levee				GPS L	atitud	e/Longitude		
Calegory				Start		End		
Item	Encroachments			38.9873	353°	38.987353 °		
пеш				-121.704613 °		-121.704613 °		
DWR ID DWR_ST0002_01_s _ 2018_39								
		Comn	nent Cod	le				
TR : Tree	or limb							
			_					
	Inspector Comment							
Remove the tree from the waterside slope and toe.								



View of the tree along the waterside slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	14.71	Rating **	М	Issue No.		37	
LM End	14.71	Issue Type +	Ma	Location *		WS	
Category Earthen Levee				GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Stability			38.9793	89°	38.979389°	
пеш	item				23°	-121.691923 °	
DWR ID DWR_ST0002_01_f _ 2016_37							
		Comn	nent Cod	le			
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.							
	Inspector Comment						
Repair the vehicle erosion along the waterside slope.							



View of the erosion caused by vehicle traffic.

LM Start	14.71	Rating **	С	Issue No.		38	
LM End	14.71	Issue Type +	Ma	Location *		WS	
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Animal Control			38.97938	9°	38.979389°	
пеш				-121.69192	3°	-121.691923°	
DWR ID	DWR_ST0	002_01_f _ 2016	5_38				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

The rodent holes was repaired along the waterside slope.

No Photos

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	17.60	Rating **	М	Issue No.		21	
LM End	17.60	Issue Type +	Ма	Location *		WS	
Earthen Levee				GPS La	atituc	de/Longitude	
Category				Start		End	
Item	Slope Stability			38.9499	65 °	38.949965 °	
пеш			-121.6538	23 °	-121.653823 °		
DWR ID DWR_ST0002_01_s _ 2015_21							
		Comn	nent Cod	le			
S3 : Repai access wh		slope damaç le.	jed by ve	ehicle traffic	and	d prevent	
		Inspecto	or Comm	nent			
Repair the vehicle erosion along the waterside slope.							

Ma

Issue No.

Location \*

17.60

17.60

LM Start

LM End

Rating \*\*

Issue Type +

	Warner Co.		
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			A STATE OF THE PARTY OF THE PAR
			A LEGAL TO SERVICE AND A SERVI
	No. of Concession, Name of Street, or other Persons, Name of Street, or ot		
SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON			
460		<b>V</b>	
17 公益等。			04/02/2015
	LEWIS CHARLES		

Photo 1 of 2: SP\_2018\_ST0002\_450\_21\_20180305\_00002.jpg

View of the vehicle erosion along the waterside slope.

21 (cont)

WS

Photo 2 of 2: SP\_2018\_ST0002\_450\_21\_20180305\_00003.jpg



View of the vehicle erosion along the waterside slope.

LM Start	18.18	Rating **	Α	Issue No.	36		
LM End	18.18	Issue Type +	Ma	Location *		LS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetation			38.943558°		38.943558°	
item				-121.646885 °		-121.646885 °	
DWR ID	DWR_ST0	002_01_s _ 201	8_36				
		Comn	nent Cod	le			
V1 : Control annual grass and weeds on the levee slopes and easements.							
Inspector Comment							
Native vegetation on both slopes are well maintained.							



View of native vegetation on both slopes.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.	No. <b>80</b>		
LM End	19.18	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UCI	DWR UCIP LMA Responsibility			6°	38.932476 °	
пеш				-121.63517	3°	-121.635173 °	
DWR ID							

# Comment Code

Inspector Comment

FS\_ID:51609 DS\_ID:16877 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain inspection.5/23/2013 Concrete culvert is being used as gravity drain

inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culvert.

FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:44:23 PM

LM Start	19.18	Rating **	A/W	Issue No.	80 (cont)
LM End	19.18	Issue Type +	Ма	Location *	

#### Photo 1 of 3: UCIP\_SP\_2018\_51609\_65326.jpg



Pumphouse on LS toe.

#### Photo 2 of 3: UCIP\_SP\_2018\_51609\_65325.jpg



Slide gates on WS shoulder.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.	80 (cont)		
LM End	19.18	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	nsibility	38.9324	76°	38.932476 °	
пеш				-121.6351	73 °	-121.635173 °	
DWR ID							
Comment Code							

#### Inspector Comment

FS\_ID:51609 DS\_ID:16877 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culvert.

FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 1 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:44:23 PM



Flap gates on WS toe.

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.		81	
LM End	19.18	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UCI	DWR UCIP LMA Responsibility			9°	38.932469°	
пеш				-121.63516	0 °	-121.635160 °	
DWR ID							

Comment Code

Inspector Comment

FS\_ID:51610 DS\_ID:17027 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain

for LS ditch.10/9/2012 Determine type of abandonment for concrete culverts.
FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet

below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:47:22 PM

LM Start	19.18	Rating **	A/W	Issue No.	81 (cont)
LM End	19.18	Issue Type +	Ma	Location *	

#### Photo 1 of 3: UCIP\_SP\_2018\_51610\_65330.jpg



Pumphouse on LS toe.

#### Photo 2 of 3: UCIP\_SP\_2018\_51610\_65329.jpg



Slide gates on WS shoulder.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.	81 (cont)		
LM End	19.18	Issue Type +	Ма	Location *			
Category			GPS Latitude/Longitude				
Calegory	Salegory			Start		End	
Item	DWR UCI	P LMA Respo	nsibility	38.9324	69°	38.932469°	
item				-121.6351	60°	-121.635160 °	
DWR ID							
Comment Code							

#### Inspector Comment

FS\_ID:51610 DS\_ID:17027 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not abandoned. Good Condition. (DWR Sutter Yard- AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Determine type of abandonment for concrete culverts.

FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 2 of 3: 48-inch by 72-inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:47:22 PM



Flap gates on WS toe.

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.		82
LM End	19.18	Issue Type +	Ма	Location *		
Category			GPS Latitude/Longitude			
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	38.93246	° 08	38.932460 °
пеш				-121.63515	50°	-121.635150 °
DWR ID						

#### Comment Code

#### Inspector Comment

FS\_ID:51611 DS ID:17028 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain

for LS ditch.10/9/2012 Need to determine type of abandonment for concrete culverts.

FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:50:01 PM

LM Start	19.18	Rating **	A/W	Issue No.	82 (cont)
I M End	19.18	Issue Type +	Ma	Location *	

#### Photo 1 of 3: UCIP\_SP\_2018\_51611\_65333.jpg



Pumphouse on LS toe.

#### Photo 2 of 3: UCIP\_SP\_2018\_51611\_65332.jpg



Slide gates on WS shoulder.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	19.18	Rating **	A/W	Issue No.		82 (cont)
LM End	19.18	Issue Type +	Ma	Location *		
Category	Suppleme	ental	GPS Latitude/Longitude			e/Longitude
Calegory				Start		End
Item	DWR UC	IP LMA Respo	nsibility	38.93246	60°	38.932460 °
пеш				-121.6351	50°	-121.635150 °
DWR ID						

# Inspector Comment

Comment Code

FS\_ID:51611 DS ID:17028 EP\_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/11/2017 Not Abandoned. Good Condition. (DWR Sutter Yard - AFreitag)10/10/2016 NOT ABANDONED. The old pumpimg plant was abandoned but the culverts are still used as a gravity drain to regulate the water level in the LS ditch.(DWR Sutter Yard - afreitag)4/18/2016 Crossing is in good condition. The culvert is not abandoned and is used as gravity drain for the LS ditch into the bypass channel.5/7/2015 Concrete culvert is being used as a gravity drain for LS ditch.11/12/2014 Same as last inspection.5/14/2014 Same as last inspection.10/30/2013 Same as last inspection.5/23/2013 Concrete culvert is being used as gravity drain for LS ditch.10/9/2012 Need to determine type of abandonment for

concrete culverts. FIELD\_STRUCT\_DESC: [Pumping Plant No. 1] 3 of 3: 48-inch by 72inch reinforced concrete drainage culvert through the levee, 26 feet below the crown. Slide gates in a concrete well on the waterside (WS) shoulder. Wooden flap gates and concrete headwall on the WS end. Concrete steps and staff gage reading to 53 feet on the WS slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 315, May 1953 (Station 141+46)].

FS Date: 4/13/2017 2:50:01 PM

# Photo 3 of 3: UCIP\_SP\_2018\_51611\_65331.jpg

Flap gate at WS toe.

LM Start	20.02	Rating **	М	Issue No.		29	
LM End	20.02	Issue Type +	Ма	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
ltom	Slope Stability			38.9226	78°	38.922678°	
ltem '				-121.6258	90°	-121.625890°	
DWR ID	DWR_ST0002_01_f _ 2015_29						
Comment Code							

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

#### Inspector Comment



View of the vehicle erosion along the waterside slope.

* Location		** Kating
LS: Land Side	N/A: Not Applicable	A : A
WS: Water Side		M:M
CR · Crown		11 - 11

inimally Acceptable Jnacceptable

N: Not Inspected/Rated C: Corrected

+ Issue Type Ma: Maintenance Deficiancy Ob: Design & System Obsolescence

En: Enforcement

A/W: Acceptable but Monitor & Maintain Thursday, May 31, 2018 12:19 **FINAL DATA** Page 27 of 28

#### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

#### **Sutter Maintenance Yard East Levee Sutter Bypass**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass Levee	Left	21.68	03/27/2018 03/27/2018	Bob Duffey

LM Start	20.43	Rating **	С	Issue No.		40		
LM End	20.43	Issue Type +	Ма	Location *		LS		
Category	Earthen L		GPS La	atitud	e/Longitude			
Calegory			Start		End			
Item	Animal Control			38.9169	65 °	38.916965°		
пеш				-121.624048 °		-121.624048°		
DWR ID	DWR ID DWR_ST0002_01_f _ 2016_40							
		Comn	nent Cod	de				
A1 : Exteri	minate rod	ents and back	fill and o	compact or	grou	t burrows.		
		Inspect	or Comm	nent				
The rodent holes was repaired along the landside slope.								

No Photos

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement